References

A. Brogi, C. Canal, E Pimentel, and A. Vallecillo, "Formalizing Web Service Choreographies," In Proceedings of the First International Workshop on Web Services and Formal Methods (WSFM 04), pp. 73-94,2004.

A .J.Ofutt, W.M.Craft. Using Compiler Optimization Techniques to Detect Equivalent Mutants[J]. Software Testing, Verification and Reliability. 1994, 4(3):131-154.

A. V. Aho, R. Sethi, J. D. Ullman. Compilers: Principles, Techniques and Tools[M]. Addison-Wesley, Reading. 1986:33-36.

A. Martens. "Simulation and Equivalence between BPEL ProcessMedels". In Proceeding of Design, Analysis and simulation of Distributed Systems Symposium, 2005.

Alfred V.Aho,RaviSethi, Jeffrey D.Ullman. Compilers: Principles, Techniques, and Tools[M]. Press of Pearson Education, 2002:96-305.

BPEL1.1, "Business Process Execution Language for Web Services Version 1.1," http://www.ibm.comldeveloperworks/library/ws-bpel/.May 2003.

BPEL2.0, "Web Services Business Process Execution Language Version 2.0," http://docs.oasis-open.org/wsbpeI/2.0/0S/ wsbpel-v2.0-0S.html,2007.

Bell, B. and C. Lewis, “ChemTrains: A Language for Creating Behaving Pictures,” in Proceedings of the1993 IEEE Symposium on Visual Languages. 1993.

Bergen, Norway, pp. 188-195Brooks, F. P., “No Silver Bullet: Essence and Accidents of Software Engineering,” in ***Computer.***1987. pp. 10-19.

Citrin, W., M. Doherty, and B. Zom, “The Design of a Completely Visual Object-Oriented Programming Language,” in ***Vis ua 1 0 b j e c t - 0 r i e n t e dProgramming,*** Bumett, M., A. Goldberg, and T. Lewis,Editors. 1994, Prentice-Hall: Englewood Cliffs, NJ.

Citrin, W., M. Doherty, and B. Zorn, “Formal Semantics of Control Constructs in a Completely Visual Imperative Language,” CU-CS-672-93,University of Colorado, Department of Computer Science, September 1993.

Dijkstra, E. W., ***A Discipline of Programming.*** 1976,Englewood Cliffs, NJ: Prentice-Hall.Dijkstra, E. W., “On the cruelty of really teaching computer science.” ***Comm. ACM,*** December 1989. :pp. 1397-1404.

D. J. Kuck, Y. Muraoka, S. C. Chen. On the Number of Operations

Simultaneously Executable in FORTRAN-like Programs and Their Resulting Speed-up[J]. IEEE Transactions on Computers.1972,21(12):1293-1310.

E. L. Panos, J. Theodore. An Optimal Algorithm for the Construction of the System Dependence Graph[J]. Elsevier Science Inc. 2000,125(14):99-131.

F. Jeanne, J.0.Karl, D.W.Joe. The Program Dependence Graph and Its Use in Optimization[J]. ACM TOPLAS. 1987, 9(3):319-349.

Francoise Balma. Displaying Dependence Graph: a Hierarchical Approach[C]. Proceedings of the 1st IEEE International Workshop on Source Code Analysis and Manipulation (SCAM'01), 2001:261-270.

Electrical Installations Integrating System Configuration and Operational Safety Aspects (Tutorial) IEEE-lASICPSTech. Conf., May 6-9, 2007 Edmonton, Alberta (Canada)

FilippoRicca, Paolo Tonella. Construct of the System Dependence Graph for Web Application Slicing[C]. Proceedings of the Second IEEE International Workshop on Source Code Analysis and Manipulation(SCAM'02), 2002:1-10.3622

Fumas, G. W., “New graphical reasoning models forunder standing graphical interfaces,” in ***CHI ’91Conference Proceedings.*** 199 1. New Orleans, pp. 7 1 -78.

G. Parise, E. Hesla: "Basic Concepts and Auto-Check forClearing Procedures" May 2-6 1999 IEEE-lASICPSTechnical Conference, Sparks NV USA

G.Parise, E. Hesla: "Electrical Status Space for ClearingProcedures in Electrical Installations", IEEE Safety Workshop, April 2000, New Delhi India,

G. Parise, E. Hesla: "Clearing Procedures in Electrical Installations: The Electrical Status Space", IEEE Transactions on Industry Applications vol. 38 May/June2002 page. 797-802

G. Parise, E. Hesla: "A New Analytical Language for Clearing Procedures in Electrical Installations", IEEE-lASAnnual Meeting October 2004, Seattle WA USA

G. Parise, E. Hesla: "A Programmable Language for Clearing Procedures", IEEE-lAS ICPS TechnicalConference May 2005, Saratoga Springs NY USA

G. Parise, E. Hesla: "The Sources Sets for Operational Procedures", IEEE-lAS ICPS Technical Conference May2006, Dearborn MI USA

G. Parise, E. Hesla R. Rifaat: "Comprehensive Design of Electrical Installations by Integrating System Configuration and Operational Safety Aspects" IEEE-lASAnnual Meeting October 2006, Tampa FL USA

G.Parise, E.Hesla "Transitions Maps for Integrity in
Operational Procedures of Electrical Installations" 2007IEEE-lAS ICPS Technical Conference, May 6-9, 2007Edmonton, Alberta (Canada)

G. Parise, E. Hesla R. Rifaat: Comprehensive Design of
G. Parise, E.Hesla, R. Rifaat "Architecture impact onintegrity of electrical installations: cut&tie rule, ringconfiguration, floating node" Industry Applications, IEEETransactions on, Volume 45, Issue 5, Sept.-Oct. 2009Page(s):1903 – 1909

G. Parise, "Four colour theorem explained by electrical operational procedures?" 2008 IEEEII&CPS TechnicalConf., Clearwater Beach, Florida, USA, May 4-8, 2008

G.Parise, A.Gabelli, E.Berenato, D.Brambilla,L.Signorelli"Architecture Of Electrical Installations: The NodeDouble Two" IEEE-lAS Annual Meeting October 5-9,2008, Edmonton, Alberta (Canada)

G. Parise "Transitions theory for intersections/nodes and
generalizedeuclidean kinematics in operation of electricalinstallations" IEEE-lAS Annual Meeting October 4-8,2009, Houston (USA)

G. Parise, E.Hesla, R. Rifaat "Genetic Code of Electrical
Operational Procedures: Lockout Systems, Simulators and Training" Trans. IEEEIIAS vol. 46 n.2 March April 2010

H. Cao, S. Ying, D. Du, and X. Jia, "Toward an Approach for Semantic
Service Oriented Design and a Semantic Programming Language,".Chinese Journal of Electronics, vo1.35, pp. 129-135,2007.

Kahn, K. M., “Towards Visual Concurrent Constraint Programming,” Technical report SSL-91-092, XeroxPalo Alto Research Center.Kahn, K. **M.** and V. A. Saraswat, “CompleteVisualizations of Concurrent Programs and TheirExecutions,” in ***Proc. 1990*** IEEE ***Workshop onVisual Languages.*** October 1990. Skokie, IL, pp. 7-15.

L. Bordeaux, and G Salaun, "Using Process Algebra for Web Services:
Early results and Perspectives," Technologies for E-Services, pp.54-68,2005.

McIntyre, **D. W.** and E. P. Glinert, “Visual Tool: for Creating Iconic Programming Environments, in ***Proceedings of the 1992 IEEE Workshop on VisualLanguages.*** 1992. Seattle, pp. 162-168.Milner, R., “Program semantics and mechanizedproof,” in ***Foundations of Computer Science 11, part2,*** Apt, K. R. and J. de Bakker W,,Editors. 1976,Mathematical Centre: Amsterdam. pp. 3-44.

S. Horwitz, J. Prins, T. Reps. On the Adequacy of Program Dependence
Graph for Representing Programs[C]. Fifteenth ACM Symposium on Principles of Programming Language, San Diego, CA, New York, ACM,1988:146-157.

S.Xu, Y.S.Chee. Transformation-based Diagnosis of Student Programs

for Programming Tutoring Systems[J]. Software Engineering, IEEETransactions 2003, 29(4):360-384.

S. Horwitz, T. Reps, D. Binkley. Interprocedural Slicing Using Dependence Graphs[J]. ACM TOPLAS. 1990, 12(1):26-60.

S. Horwitz, T. Reps. The Use of Program Dependence Graphs in Software Engineering[C]. International Conference on Software Engineering, Proceedings of the 14th International Conference on software Engineering, Melbourne, Australia, 1992, New York, ACM,1992:392-411.

S. Hinz, K. Schmidt, and C. Stahl. "Transforming BPEL to Petri Nets," Business Process Management, pp. 220-235, 2005.

WSCI, "Web Service Choreography Interface (WSCI) 1.0," http://www.w3.org/TRlwsci, 2002.

Saraswat, V., K. M. Kahn, and J. Levy, "JANUS: A step towards distributed constraint programming," SSL-90-5 **1,** System Sciences Laboratory, XEROX Palo Alto Research Center, October 1990.Tennent, R. D., ***Semantics of Programming Languages.*** 1991, New York: Prentice-Hall

X. Fu, T. Bultan, and J. Su, "Analysis of Interacting BPEL Web Services," In Proceedings of the13th Conference on World Wide Web,pp. 621-630,2004